

Release notes for ENDF/B Development n-064\_Gd\_160  
evaluation

**ENDF**  
**B-VII**.dev

April 26, 2017

- checkr Warnings:

1. A previous error halted parsing of the current section  
*MAT=6449, MF= 1, MT=451 (1): Parsing stopped*

```
ERROR(S) FOUND IN MAT=6449, MF= 1, MT=451
SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER      286 TO      434
```

- checkr Errors:

1. A variable is outside the allowed ENDF range  
*MAT=6449, MF= 1, MT=451 (0): Variable range*

```
ERROR(S) FOUND IN MAT=6449, MF= 1, MT=451
MOD =      1 OUT OF RANGE      0 -      0      RECORD NUMBER      286
```

2. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF= 2, MT=151 (0): Directory (b)*

```
ERROR(S) FOUND IN MAT=6449, MF= 2, MT=151
SECTION 2/151 NOT IN DIRECTORY      RECORD NUMBER      436
```

3. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF= 3, MT= 1 (0): Directory (b)*

```
ERROR(S) FOUND IN MAT=6449, MF= 3, MT= 1
SECTION 3/ 1 NOT IN DIRECTORY      RECORD NUMBER      682
```

4. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF= 3, MT= 2 (0): Directory (b)*

```
ERROR(S) FOUND IN MAT=6449, MF= 3, MT= 2
SECTION 3/ 2 NOT IN DIRECTORY      RECORD NUMBER      700
```

5. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF= 3, MT= 4 (0): Directory (b)*

```
ERROR(S) FOUND IN MAT=6449, MF= 3, MT= 4
SECTION 3/ 4 NOT IN DIRECTORY      RECORD NUMBER      753
```

6. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF= 3, MT= 16 (0): Directory (b)*

```
ERROR(S) FOUND IN MAT=6449, MF= 3, MT= 16
SECTION 3/ 16 NOT IN DIRECTORY      RECORD NUMBER      798
```

7. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF= 3, MT= 17 (0): Directory (b)*

- |   |               |     |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=6449, MF= 3, MT= 17 | RECORD NUMBER | 811 |
| SECTION 3/ 17 NOT IN DIRECTORY            |               |     |
8. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF= 3, MT= 22 (0): Directory (b)*
- |   |               |     |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=6449, MF= 3, MT= 22 | RECORD NUMBER | 820 |
| SECTION 3/ 22 NOT IN DIRECTORY            |               |     |
9. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF= 3, MT= 24 (0): Directory (b)*
- |   |               |     |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=6449, MF= 3, MT= 24 | RECORD NUMBER | 833 |
| SECTION 3/ 24 NOT IN DIRECTORY            |               |     |
10. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF= 3, MT= 28 (0): Directory (b)*
- |   |               |     |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=6449, MF= 3, MT= 28 | RECORD NUMBER | 841 |
| SECTION 3/ 28 NOT IN DIRECTORY            |               |     |
11. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF= 3, MT= 41 (0): Directory (b)*
- |   |               |     |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=6449, MF= 3, MT= 41 | RECORD NUMBER | 852 |
| SECTION 3/ 41 NOT IN DIRECTORY            |               |     |
12. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF= 3, MT= 51 (0): Directory (b)*
- |   |               |     |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=6449, MF= 3, MT= 51 | RECORD NUMBER | 859 |
| SECTION 3/ 51 NOT IN DIRECTORY            |               |     |
13. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF= 3, MT= 52 (0): Directory (b)*
- |   |               |     |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=6449, MF= 3, MT= 52 | RECORD NUMBER | 887 |
| SECTION 3/ 52 NOT IN DIRECTORY            |               |     |
14. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF= 3, MT= 53 (0): Directory (b)*
- |   |               |     |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=6449, MF= 3, MT= 53 | RECORD NUMBER | 915 |
| SECTION 3/ 53 NOT IN DIRECTORY            |               |     |
15. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF= 3, MT= 54 (0): Directory (b)*

- |  |   |                   |
|--|---|-------------------|
|  | ERROR(S) FOUND IN MAT=6449, MF= 3, MT= 54 |                   |
|  | SECTION 3/ 54 NOT IN DIRECTORY            | RECORD NUMBER 940 |
16. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF= 3, MT= 55 (0): Directory (b)*
- |  |   |                   |
|--|---|-------------------|
|  | ERROR(S) FOUND IN MAT=6449, MF= 3, MT= 55 |                   |
|  | SECTION 3/ 55 NOT IN DIRECTORY            | RECORD NUMBER 966 |
17. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF= 3, MT= 56 (0): Directory (b)*
- |  |   |                   |
|--|---|-------------------|
|  | ERROR(S) FOUND IN MAT=6449, MF= 3, MT= 56 |                   |
|  | SECTION 3/ 56 NOT IN DIRECTORY            | RECORD NUMBER 991 |
18. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF= 3, MT= 57 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=6449, MF= 3, MT= 57 |                    |
|  | SECTION 3/ 57 NOT IN DIRECTORY            | RECORD NUMBER 1016 |
19. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF= 3, MT= 58 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=6449, MF= 3, MT= 58 |                    |
|  | SECTION 3/ 58 NOT IN DIRECTORY            | RECORD NUMBER 1040 |
20. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF= 3, MT= 59 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=6449, MF= 3, MT= 59 |                    |
|  | SECTION 3/ 59 NOT IN DIRECTORY            | RECORD NUMBER 1064 |
21. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF= 3, MT= 60 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=6449, MF= 3, MT= 60 |                    |
|  | SECTION 3/ 60 NOT IN DIRECTORY            | RECORD NUMBER 1088 |
22. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF= 3, MT= 61 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=6449, MF= 3, MT= 61 |                    |
|  | SECTION 3/ 61 NOT IN DIRECTORY            | RECORD NUMBER 1112 |
23. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF= 3, MT= 62 (0): Directory (b)*

- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6449, MF= 3, MT= 62 | RECORD NUMBER | 1135 |
| SECTION 3/ 62 NOT IN DIRECTORY            |               |      |
24. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF= 3, MT= 63 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6449, MF= 3, MT= 63 | RECORD NUMBER | 1157 |
| SECTION 3/ 63 NOT IN DIRECTORY            |               |      |
25. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF= 3, MT= 64 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6449, MF= 3, MT= 64 | RECORD NUMBER | 1176 |
| SECTION 3/ 64 NOT IN DIRECTORY            |               |      |
26. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF= 3, MT= 65 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6449, MF= 3, MT= 65 | RECORD NUMBER | 1197 |
| SECTION 3/ 65 NOT IN DIRECTORY            |               |      |
27. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF= 3, MT= 66 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6449, MF= 3, MT= 66 | RECORD NUMBER | 1218 |
| SECTION 3/ 66 NOT IN DIRECTORY            |               |      |
28. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF= 3, MT= 67 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6449, MF= 3, MT= 67 | RECORD NUMBER | 1239 |
| SECTION 3/ 67 NOT IN DIRECTORY            |               |      |
29. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF= 3, MT= 68 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6449, MF= 3, MT= 68 | RECORD NUMBER | 1259 |
| SECTION 3/ 68 NOT IN DIRECTORY            |               |      |
30. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF= 3, MT= 69 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6449, MF= 3, MT= 69 | RECORD NUMBER | 1279 |
| SECTION 3/ 69 NOT IN DIRECTORY            |               |      |
31. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF= 3, MT= 70 (0): Directory (b)*

- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6449, MF= 3, MT= 70 | RECORD NUMBER | 1299 |
| SECTION 3/ 70 NOT IN DIRECTORY            |               |      |
32. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF= 3, MT= 71 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6449, MF= 3, MT= 71 | RECORD NUMBER | 1318 |
| SECTION 3/ 71 NOT IN DIRECTORY            |               |      |
33. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF= 3, MT= 72 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6449, MF= 3, MT= 72 | RECORD NUMBER | 1336 |
| SECTION 3/ 72 NOT IN DIRECTORY            |               |      |
34. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF= 3, MT= 73 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6449, MF= 3, MT= 73 | RECORD NUMBER | 1356 |
| SECTION 3/ 73 NOT IN DIRECTORY            |               |      |
35. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF= 3, MT= 74 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6449, MF= 3, MT= 74 | RECORD NUMBER | 1375 |
| SECTION 3/ 74 NOT IN DIRECTORY            |               |      |
36. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF= 3, MT= 75 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6449, MF= 3, MT= 75 | RECORD NUMBER | 1394 |
| SECTION 3/ 75 NOT IN DIRECTORY            |               |      |
37. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF= 3, MT= 76 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6449, MF= 3, MT= 76 | RECORD NUMBER | 1412 |
| SECTION 3/ 76 NOT IN DIRECTORY            |               |      |
38. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF= 3, MT= 77 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6449, MF= 3, MT= 77 | RECORD NUMBER | 1431 |
| SECTION 3/ 77 NOT IN DIRECTORY            |               |      |
39. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF= 3, MT= 91 (0): Directory (b)*

- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6449, MF= 3, MT= 91 | RECORD NUMBER | 1449 |
| SECTION 3/ 91 NOT IN DIRECTORY            |               |      |
40. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF= 3, MT=102 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6449, MF= 3, MT=102 | RECORD NUMBER | 1476 |
| SECTION 3/102 NOT IN DIRECTORY            |               |      |
41. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF= 3, MT=103 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6449, MF= 3, MT=103 | RECORD NUMBER | 1500 |
| SECTION 3/103 NOT IN DIRECTORY            |               |      |
42. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF= 3, MT=107 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6449, MF= 3, MT=107 | RECORD NUMBER | 1515 |
| SECTION 3/107 NOT IN DIRECTORY            |               |      |
43. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF= 3, MT=600 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6449, MF= 3, MT=600 | RECORD NUMBER | 1533 |
| SECTION 3/600 NOT IN DIRECTORY            |               |      |
44. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF= 3, MT=649 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6449, MF= 3, MT=649 | RECORD NUMBER | 1548 |
| SECTION 3/649 NOT IN DIRECTORY            |               |      |
45. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF= 3, MT=800 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6449, MF= 3, MT=800 | RECORD NUMBER | 1563 |
| SECTION 3/800 NOT IN DIRECTORY            |               |      |
46. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF= 3, MT=849 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6449, MF= 3, MT=849 | RECORD NUMBER | 1580 |
| SECTION 3/849 NOT IN DIRECTORY            |               |      |
47. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF= 4, MT= 2 (0): Directory (b)*

- |  |               |      |
|--|---------------|------|
| ERROR(S) FOUND IN MAT=6449, MF= 4, MT= 2 | RECORD NUMBER | 1599 |
| SECTION 4/ 2 NOT IN DIRECTORY            |               |      |
48. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF= 4, MT= 51 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6449, MF= 4, MT= 51 | RECORD NUMBER | 1813 |
| SECTION 4/ 51 NOT IN DIRECTORY            |               |      |
49. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF= 4, MT= 52 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6449, MF= 4, MT= 52 | RECORD NUMBER | 2006 |
| SECTION 4/ 52 NOT IN DIRECTORY            |               |      |
50. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF= 4, MT= 53 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6449, MF= 4, MT= 53 | RECORD NUMBER | 2167 |
| SECTION 4/ 53 NOT IN DIRECTORY            |               |      |
51. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF= 4, MT= 54 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6449, MF= 4, MT= 54 | RECORD NUMBER | 2313 |
| SECTION 4/ 54 NOT IN DIRECTORY            |               |      |
52. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF= 4, MT= 55 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6449, MF= 4, MT= 55 | RECORD NUMBER | 2444 |
| SECTION 4/ 55 NOT IN DIRECTORY            |               |      |
53. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF= 4, MT= 56 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6449, MF= 4, MT= 56 | RECORD NUMBER | 2593 |
| SECTION 4/ 56 NOT IN DIRECTORY            |               |      |
54. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF= 4, MT= 57 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6449, MF= 4, MT= 57 | RECORD NUMBER | 2684 |
| SECTION 4/ 57 NOT IN DIRECTORY            |               |      |
55. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF= 4, MT= 58 (0): Directory (b)*



- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6449, MF= 4, MT= 58 | RECORD NUMBER | 2832 |
| SECTION 4/ 58 NOT IN DIRECTORY            |               |      |
56. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF= 4, MT= 59 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6449, MF= 4, MT= 59 | RECORD NUMBER | 2921 |
| SECTION 4/ 59 NOT IN DIRECTORY            |               |      |
57. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF= 4, MT= 60 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6449, MF= 4, MT= 60 | RECORD NUMBER | 3010 |
| SECTION 4/ 60 NOT IN DIRECTORY            |               |      |
58. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF= 4, MT= 61 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6449, MF= 4, MT= 61 | RECORD NUMBER | 3099 |
| SECTION 4/ 61 NOT IN DIRECTORY            |               |      |
59. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF= 4, MT= 62 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6449, MF= 4, MT= 62 | RECORD NUMBER | 3188 |
| SECTION 4/ 62 NOT IN DIRECTORY            |               |      |
60. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF= 4, MT= 63 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6449, MF= 4, MT= 63 | RECORD NUMBER | 3275 |
| SECTION 4/ 63 NOT IN DIRECTORY            |               |      |
61. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF= 4, MT= 64 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6449, MF= 4, MT= 64 | RECORD NUMBER | 3433 |
| SECTION 4/ 64 NOT IN DIRECTORY            |               |      |
62. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF= 4, MT= 65 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6449, MF= 4, MT= 65 | RECORD NUMBER | 3520 |
| SECTION 4/ 65 NOT IN DIRECTORY            |               |      |
63. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF= 4, MT= 66 (0): Directory (b)*

- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6449, MF= 4, MT= 66 | RECORD NUMBER | 3607 |
| SECTION 4/ 66 NOT IN DIRECTORY            |               |      |
64. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF= 4, MT= 67 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6449, MF= 4, MT= 67 | RECORD NUMBER | 3694 |
| SECTION 4/ 67 NOT IN DIRECTORY            |               |      |
65. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF= 4, MT= 68 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6449, MF= 4, MT= 68 | RECORD NUMBER | 3805 |
| SECTION 4/ 68 NOT IN DIRECTORY            |               |      |
66. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF= 4, MT= 69 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6449, MF= 4, MT= 69 | RECORD NUMBER | 3953 |
| SECTION 4/ 69 NOT IN DIRECTORY            |               |      |
67. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF= 4, MT= 70 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6449, MF= 4, MT= 70 | RECORD NUMBER | 4040 |
| SECTION 4/ 70 NOT IN DIRECTORY            |               |      |
68. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF= 4, MT= 71 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6449, MF= 4, MT= 71 | RECORD NUMBER | 4127 |
| SECTION 4/ 71 NOT IN DIRECTORY            |               |      |
69. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF= 4, MT= 72 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6449, MF= 4, MT= 72 | RECORD NUMBER | 4267 |
| SECTION 4/ 72 NOT IN DIRECTORY            |               |      |
70. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF= 4, MT= 73 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6449, MF= 4, MT= 73 | RECORD NUMBER | 4354 |
| SECTION 4/ 73 NOT IN DIRECTORY            |               |      |
71. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF= 4, MT= 74 (0): Directory (b)*

- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=6449, MF= 4, MT= 74 |                    |
| SECTION 4/ 74 NOT IN DIRECTORY            | RECORD NUMBER 4505 |
72. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF= 4, MT= 75 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=6449, MF= 4, MT= 75 |                    |
| SECTION 4/ 75 NOT IN DIRECTORY            | RECORD NUMBER 4592 |
73. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF= 4, MT= 76 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=6449, MF= 4, MT= 76 |                    |
| SECTION 4/ 76 NOT IN DIRECTORY            | RECORD NUMBER 4720 |
74. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF= 4, MT= 77 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=6449, MF= 4, MT= 77 |                    |
| SECTION 4/ 77 NOT IN DIRECTORY            | RECORD NUMBER 4872 |
75. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF= 4, MT=600 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=6449, MF= 4, MT=600 |                    |
| SECTION 4/600 NOT IN DIRECTORY            | RECORD NUMBER 5028 |
76. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF= 4, MT=800 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=6449, MF= 4, MT=800 |                    |
| SECTION 4/800 NOT IN DIRECTORY            | RECORD NUMBER 5095 |
77. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF= 6, MT= 16 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=6449, MF= 6, MT= 16 |                    |
| SECTION 6/ 16 NOT IN DIRECTORY            | RECORD NUMBER 5181 |
78. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF= 6, MT= 17 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=6449, MF= 6, MT= 17 |                    |
| SECTION 6/ 17 NOT IN DIRECTORY            | RECORD NUMBER 7831 |
79. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF= 6, MT= 22 (0): Directory (b)*

- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6449, MF= 6, MT= 22 | RECORD NUMBER | 8583 |
| SECTION 6/ 22 NOT IN DIRECTORY            |               |      |
80. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF= 6, MT= 24 (0): Directory (b)*
- |   |               |       |
|---|---------------|-------|
| ERROR(S) FOUND IN MAT=6449, MF= 6, MT= 24 | RECORD NUMBER | 11960 |
| SECTION 6/ 24 NOT IN DIRECTORY            |               |       |
81. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF= 6, MT= 28 (0): Directory (b)*
- |   |               |       |
|---|---------------|-------|
| ERROR(S) FOUND IN MAT=6449, MF= 6, MT= 28 | RECORD NUMBER | 12713 |
| SECTION 6/ 28 NOT IN DIRECTORY            |               |       |
82. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF= 6, MT= 41 (0): Directory (b)*
- |   |               |       |
|---|---------------|-------|
| ERROR(S) FOUND IN MAT=6449, MF= 6, MT= 41 | RECORD NUMBER | 14438 |
| SECTION 6/ 41 NOT IN DIRECTORY            |               |       |
83. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF= 6, MT= 91 (0): Directory (b)*
- |   |               |       |
|---|---------------|-------|
| ERROR(S) FOUND IN MAT=6449, MF= 6, MT= 91 | RECORD NUMBER | 14641 |
| SECTION 6/ 91 NOT IN DIRECTORY            |               |       |
84. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF= 6, MT=102 (0): Directory (b)*
- |   |               |       |
|---|---------------|-------|
| ERROR(S) FOUND IN MAT=6449, MF= 6, MT=102 | RECORD NUMBER | 24349 |
| SECTION 6/102 NOT IN DIRECTORY            |               |       |
85. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF= 6, MT=649 (0): Directory (b)*
- |   |               |       |
|---|---------------|-------|
| ERROR(S) FOUND IN MAT=6449, MF= 6, MT=649 | RECORD NUMBER | 26287 |
| SECTION 6/649 NOT IN DIRECTORY            |               |       |
86. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF= 6, MT=849 (0): Directory (b)*
- |   |               |       |
|---|---------------|-------|
| ERROR(S) FOUND IN MAT=6449, MF= 6, MT=849 | RECORD NUMBER | 28067 |
| SECTION 6/849 NOT IN DIRECTORY            |               |       |
87. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF=12, MT= 51 (0): Directory (b)*

- ERROR(S) FOUND IN MAT=6449, MF=12, MT= 51  
SECTION 12/ 51 NOT IN DIRECTORY RECORD NUMBER 30541
88. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF=12, MT= 52 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6449, MF=12, MT= 52  
SECTION 12/ 52 NOT IN DIRECTORY RECORD NUMBER 30545
89. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF=12, MT= 53 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6449, MF=12, MT= 53  
SECTION 12/ 53 NOT IN DIRECTORY RECORD NUMBER 30549
90. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF=12, MT= 54 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6449, MF=12, MT= 54  
SECTION 12/ 54 NOT IN DIRECTORY RECORD NUMBER 30553
91. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF=12, MT= 55 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6449, MF=12, MT= 55  
SECTION 12/ 55 NOT IN DIRECTORY RECORD NUMBER 30557
92. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF=12, MT= 56 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6449, MF=12, MT= 56  
SECTION 12/ 56 NOT IN DIRECTORY RECORD NUMBER 30561
93. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF=12, MT= 57 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6449, MF=12, MT= 57  
SECTION 12/ 57 NOT IN DIRECTORY RECORD NUMBER 30565
94. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF=12, MT= 58 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6449, MF=12, MT= 58  
SECTION 12/ 58 NOT IN DIRECTORY RECORD NUMBER 30569
95. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF=12, MT= 59 (0): Directory (b)*

- ERROR(S) FOUND IN MAT=6449, MF=12, MT= 59  
SECTION 12/ 59 NOT IN DIRECTORY RECORD NUMBER 30573
96. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF=12, MT= 60 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6449, MF=12, MT= 60  
SECTION 12/ 60 NOT IN DIRECTORY RECORD NUMBER 30577
97. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF=12, MT= 61 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6449, MF=12, MT= 61  
SECTION 12/ 61 NOT IN DIRECTORY RECORD NUMBER 30581
98. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF=12, MT= 62 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6449, MF=12, MT= 62  
SECTION 12/ 62 NOT IN DIRECTORY RECORD NUMBER 30585
99. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF=12, MT= 63 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6449, MF=12, MT= 63  
SECTION 12/ 63 NOT IN DIRECTORY RECORD NUMBER 30589
100. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF=12, MT= 64 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6449, MF=12, MT= 64  
SECTION 12/ 64 NOT IN DIRECTORY RECORD NUMBER 30593
101. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF=12, MT= 65 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6449, MF=12, MT= 65  
SECTION 12/ 65 NOT IN DIRECTORY RECORD NUMBER 30597
102. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF=12, MT= 66 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6449, MF=12, MT= 66  
SECTION 12/ 66 NOT IN DIRECTORY RECORD NUMBER 30601
103. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF=12, MT= 67 (0): Directory (b)*

- ERROR(S) FOUND IN MAT=6449, MF=12, MT= 67  
SECTION 12/ 67 NOT IN DIRECTORY RECORD NUMBER 30606
104. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF=12, MT= 68 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6449, MF=12, MT= 68  
SECTION 12/ 68 NOT IN DIRECTORY RECORD NUMBER 30610
105. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF=12, MT= 69 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6449, MF=12, MT= 69  
SECTION 12/ 69 NOT IN DIRECTORY RECORD NUMBER 30614
106. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF=12, MT= 70 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6449, MF=12, MT= 70  
SECTION 12/ 70 NOT IN DIRECTORY RECORD NUMBER 30618
107. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF=12, MT= 71 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6449, MF=12, MT= 71  
SECTION 12/ 71 NOT IN DIRECTORY RECORD NUMBER 30623
108. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF=12, MT= 72 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6449, MF=12, MT= 72  
SECTION 12/ 72 NOT IN DIRECTORY RECORD NUMBER 30628
109. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF=12, MT= 73 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6449, MF=12, MT= 73  
SECTION 12/ 73 NOT IN DIRECTORY RECORD NUMBER 30632
110. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF=12, MT= 74 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6449, MF=12, MT= 74  
SECTION 12/ 74 NOT IN DIRECTORY RECORD NUMBER 30637
111. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF=12, MT= 75 (0): Directory (b)*

- ERROR(S) FOUND IN MAT=6449, MF=12, MT= 75  
SECTION 12/ 75 NOT IN DIRECTORY RECORD NUMBER 30641
112. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF=12, MT= 76 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6449, MF=12, MT= 76  
SECTION 12/ 76 NOT IN DIRECTORY RECORD NUMBER 30645
113. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF=12, MT= 77 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6449, MF=12, MT= 77  
SECTION 12/ 77 NOT IN DIRECTORY RECORD NUMBER 30650
114. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF=14, MT= 51 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6449, MF=14, MT= 51  
SECTION 14/ 51 NOT IN DIRECTORY RECORD NUMBER 30655
115. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF=14, MT= 52 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6449, MF=14, MT= 52  
SECTION 14/ 52 NOT IN DIRECTORY RECORD NUMBER 30657
116. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF=14, MT= 53 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6449, MF=14, MT= 53  
SECTION 14/ 53 NOT IN DIRECTORY RECORD NUMBER 30659
117. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF=14, MT= 54 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6449, MF=14, MT= 54  
SECTION 14/ 54 NOT IN DIRECTORY RECORD NUMBER 30661
118. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF=14, MT= 55 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6449, MF=14, MT= 55  
SECTION 14/ 55 NOT IN DIRECTORY RECORD NUMBER 30663
119. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF=14, MT= 56 (0): Directory (b)*



- ERROR(S) FOUND IN MAT=6449, MF=14, MT= 56  
SECTION 14/ 56 NOT IN DIRECTORY RECORD NUMBER 30665
120. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF=14, MT= 57 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6449, MF=14, MT= 57  
SECTION 14/ 57 NOT IN DIRECTORY RECORD NUMBER 30667
121. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF=14, MT= 58 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6449, MF=14, MT= 58  
SECTION 14/ 58 NOT IN DIRECTORY RECORD NUMBER 30669
122. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF=14, MT= 59 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6449, MF=14, MT= 59  
SECTION 14/ 59 NOT IN DIRECTORY RECORD NUMBER 30671
123. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF=14, MT= 60 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6449, MF=14, MT= 60  
SECTION 14/ 60 NOT IN DIRECTORY RECORD NUMBER 30673
124. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF=14, MT= 61 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6449, MF=14, MT= 61  
SECTION 14/ 61 NOT IN DIRECTORY RECORD NUMBER 30675
125. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF=14, MT= 62 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6449, MF=14, MT= 62  
SECTION 14/ 62 NOT IN DIRECTORY RECORD NUMBER 30677
126. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF=14, MT= 63 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6449, MF=14, MT= 63  
SECTION 14/ 63 NOT IN DIRECTORY RECORD NUMBER 30679
127. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF=14, MT= 64 (0): Directory (b)*

- ERROR(S) FOUND IN MAT=6449, MF=14, MT= 64  
SECTION 14/ 64 NOT IN DIRECTORY RECORD NUMBER 30681
128. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF=14, MT= 65 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6449, MF=14, MT= 65  
SECTION 14/ 65 NOT IN DIRECTORY RECORD NUMBER 30683
129. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF=14, MT= 66 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6449, MF=14, MT= 66  
SECTION 14/ 66 NOT IN DIRECTORY RECORD NUMBER 30685
130. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF=14, MT= 67 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6449, MF=14, MT= 67  
SECTION 14/ 67 NOT IN DIRECTORY RECORD NUMBER 30687
131. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF=14, MT= 68 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6449, MF=14, MT= 68  
SECTION 14/ 68 NOT IN DIRECTORY RECORD NUMBER 30689
132. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF=14, MT= 69 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6449, MF=14, MT= 69  
SECTION 14/ 69 NOT IN DIRECTORY RECORD NUMBER 30691
133. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF=14, MT= 70 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6449, MF=14, MT= 70  
SECTION 14/ 70 NOT IN DIRECTORY RECORD NUMBER 30693
134. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF=14, MT= 71 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6449, MF=14, MT= 71  
SECTION 14/ 71 NOT IN DIRECTORY RECORD NUMBER 30695
135. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF=14, MT= 72 (0): Directory (b)*

- ERROR(S) FOUND IN MAT=6449, MF=14, MT= 72  
SECTION 14/ 72 NOT IN DIRECTORY RECORD NUMBER 30697
136. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF=14, MT= 73 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6449, MF=14, MT= 73  
SECTION 14/ 73 NOT IN DIRECTORY RECORD NUMBER 30699
137. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF=14, MT= 74 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6449, MF=14, MT= 74  
SECTION 14/ 74 NOT IN DIRECTORY RECORD NUMBER 30701
138. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF=14, MT= 75 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6449, MF=14, MT= 75  
SECTION 14/ 75 NOT IN DIRECTORY RECORD NUMBER 30703
139. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF=14, MT= 76 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6449, MF=14, MT= 76  
SECTION 14/ 76 NOT IN DIRECTORY RECORD NUMBER 30705
140. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF=14, MT= 77 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6449, MF=14, MT= 77  
SECTION 14/ 77 NOT IN DIRECTORY RECORD NUMBER 30707
141. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF=32, MT=151 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6449, MF=32, MT=151  
SECTION 32/151 NOT IN DIRECTORY RECORD NUMBER 30710
142. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF=33, MT= 1 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6449, MF=33, MT= 1  
SECTION 33/ 1 NOT IN DIRECTORY RECORD NUMBER 33314
143. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF=33, MT= 2 (0): Directory (b)*

ERROR(S) FOUND IN MAT=6449, MF=33, MT= 2  
SECTION 33/ 2 NOT IN DIRECTORY RECORD NUMBER 33709

144. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF=33, MT= 4 (0): Directory (b)*

ERROR(S) FOUND IN MAT=6449, MF=33, MT= 4  
SECTION 33/ 4 NOT IN DIRECTORY RECORD NUMBER 34107

145. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF=33, MT= 16 (0): Directory (b)*

ERROR(S) FOUND IN MAT=6449, MF=33, MT= 16  
SECTION 33/ 16 NOT IN DIRECTORY RECORD NUMBER 34397

146. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF=33, MT=102 (0): Directory (b)*

ERROR(S) FOUND IN MAT=6449, MF=33, MT=102  
SECTION 33/102 NOT IN DIRECTORY RECORD NUMBER 34460

147. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF=33, MT=103 (0): Directory (b)*

ERROR(S) FOUND IN MAT=6449, MF=33, MT=103  
SECTION 33/103 NOT IN DIRECTORY RECORD NUMBER 34855

148. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6449, MF=33, MT=107 (0): Directory (b)*

ERROR(S) FOUND IN MAT=6449, MF=33, MT=107  
SECTION 33/107 NOT IN DIRECTORY RECORD NUMBER 34942

• **psyche** Warnings:

1. Strength function in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 9.66300E+03. STRENGTH FUNCTION IS 1.50000E-04 / STRENGTH FUNCTION 1.50000E-04 / LIES OUTSIDE LIMITS 1.00000E-05 TO 1.50000E-04 (0): URR str. ftn.*

FILE 2  
SECTION 151  
ENERGY = 9.66300E+03. STRENGTH FUNCTION IS 1.50000E-04  
STRENGTH FUNCTION 1.50000E-04  
LIES OUTSIDE LIMITS 1.00000E-05 TO 1.50000E-04  
... [6 more lines]

2. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 9.66300E+03. STRENGTH FUNCTION IS 1.50000E-04 / ENERGY = 9.66300E+03. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 9.02078E+01 SHOULD BE 8.35409E+01 (0): URR dens. (a)*

FILE 2  
SECTION 151  
ENERGY = 9.66300E+03. STRENGTH FUNCTION IS 1.50000E-04  
ENERGY = 9.66300E+03. STRENGTH FUNCTION IS 1.50000E-04  
DENSITY 9.02078E+01 SHOULD BE 8.35409E+01

3. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.00000E+04. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 9.01535E+01 SHOULD BE 8.34906E+01 (0): URR dens. (a)*

FILE 2  
SECTION 151  
ENERGY = 1.00000E+04. STRENGTH FUNCTION IS 1.50000E-04  
DENSITY 9.01535E+01 SHOULD BE 8.34906E+01

4. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.20000E+04. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 8.98311E+01 SHOULD BE 8.31920E+01 (0): URR dens. (a)*

FILE 2  
SECTION 151  
ENERGY = 1.20000E+04. STRENGTH FUNCTION IS 1.50000E-04  
DENSITY 8.98311E+01 SHOULD BE 8.31920E+01

5. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.40000E+04. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 8.95100E+01 SHOULD BE 8.28947E+01 (0): URR dens. (a)*

FILE 2  
SECTION 151  
ENERGY = 1.40000E+04. STRENGTH FUNCTION IS 1.50000E-04  
DENSITY 8.95100E+01 SHOULD BE 8.28947E+01

6. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.60000E+04. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 8.91902E+01 SHOULD BE 8.25985E+01 (0): URR dens. (a)*

FILE 2  
SECTION 151  
ENERGY = 1.60000E+04. STRENGTH FUNCTION IS 1.50000E-04  
DENSITY 8.91902E+01 SHOULD BE 8.25985E+01

7. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.80000E+04. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 8.88714E+01 SHOULD BE 8.23032E+01 (0): URR dens. (a)*

FILE 2  
SECTION 151  
ENERGY = 1.80000E+04. STRENGTH FUNCTION IS 1.50000E-04  
DENSITY 8.88714E+01 SHOULD BE 8.23032E+01

8. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.00000E+04. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 8.85539E+01 SHOULD BE 8.20092E+01 (0): URR dens. (a)*

- FILE 2  
SECTION 151  
ENERGY = 2.00000E+04. STRENGTH FUNCTION IS 1.50000E-04  
DENSITY 8.85539E+01 SHOULD BE 8.20092E+01
9. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.20000E+04. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 8.82377E+01 SHOULD BE 8.17163E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 2.20000E+04. STRENGTH FUNCTION IS 1.50000E-04  
DENSITY 8.82377E+01 SHOULD BE 8.17163E+01
10. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.40000E+04. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 8.79225E+01 SHOULD BE 8.14245E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 2.40000E+04. STRENGTH FUNCTION IS 1.50000E-04  
DENSITY 8.79225E+01 SHOULD BE 8.14245E+01
11. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.60000E+04. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 8.76086E+01 SHOULD BE 8.11338E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 2.60000E+04. STRENGTH FUNCTION IS 1.50000E-04  
DENSITY 8.76086E+01 SHOULD BE 8.11338E+01
12. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.80000E+04. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 8.72958E+01 SHOULD BE 8.08441E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 2.80000E+04. STRENGTH FUNCTION IS 1.50000E-04  
DENSITY 8.72958E+01 SHOULD BE 8.08441E+01
13. Strength function in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.80000E+04. STRENGTH FUNCTION IS 1.50000E-04 / STRENGTH FUNCTION 1.50000E-04 / LIES OUTSIDE LIMITS 1.00000E-05 TO 1.50000E-04 (0): URR str. ftn.*
- FILE 2  
SECTION 151  
ENERGY = 2.80000E+04. STRENGTH FUNCTION IS 1.50000E-04  
STRENGTH FUNCTION 1.50000E-04  
LIES OUTSIDE LIMITS 1.00000E-05 TO 1.50000E-04
14. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.00000E+04. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 8.69841E+01 SHOULD BE 8.05555E+01 (0): URR dens. (a)*

- FILE 2  
SECTION 151  
ENERGY = 3.00000E+04. STRENGTH FUNCTION IS 1.50000E-04  
DENSITY 8.69841E+01 SHOULD BE 8.05555E+01
15. Strength function in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.00000E+04. STRENGTH FUNCTION IS 1.50000E-04 / STRENGTH FUNCTION 1.50000E-04 / LIES OUTSIDE LIMITS 1.00000E-05 TO 1.50000E-04 (0): URR str. ftn.*
- FILE 2  
SECTION 151  
ENERGY = 3.00000E+04. STRENGTH FUNCTION IS 1.50000E-04  
STRENGTH FUNCTION 1.50000E-04  
LIES OUTSIDE LIMITS 1.00000E-05 TO 1.50000E-04
16. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.20000E+04. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 8.66738E+01 SHOULD BE 8.02681E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 3.20000E+04. STRENGTH FUNCTION IS 1.50000E-04  
DENSITY 8.66738E+01 SHOULD BE 8.02681E+01
17. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.40000E+04. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 8.63645E+01 SHOULD BE 7.99816E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 3.40000E+04. STRENGTH FUNCTION IS 1.50000E-04  
DENSITY 8.63645E+01 SHOULD BE 7.99816E+01
18. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.60000E+04. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 8.60564E+01 SHOULD BE 7.96963E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 3.60000E+04. STRENGTH FUNCTION IS 1.50000E-04  
DENSITY 8.60564E+01 SHOULD BE 7.96963E+01
19. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.80000E+04. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 8.57493E+01 SHOULD BE 7.94119E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 3.80000E+04. STRENGTH FUNCTION IS 1.50000E-04  
DENSITY 8.57493E+01 SHOULD BE 7.94119E+01
20. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 8.54437E+01 SHOULD BE 7.91289E+01 (0): URR dens. (a)*

- FILE 2  
SECTION 151  
ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 1.50000E-04  
DENSITY 8.54437E+01 SHOULD BE 7.91289E+01
21. Strength function in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 1.50000E-04 / STRENGTH FUNCTION 1.50000E-04 / LIES OUTSIDE LIMITS 1.00000E-05 TO 1.50000E-04 (0): URR str. ftn.*
- FILE 2  
SECTION 151  
ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 1.50000E-04  
STRENGTH FUNCTION 1.50000E-04  
LIES OUTSIDE LIMITS 1.00000E-05 TO 1.50000E-04
22. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 4.20000E+04. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 8.51390E+01 SHOULD BE 7.88467E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 4.20000E+04. STRENGTH FUNCTION IS 1.50000E-04  
DENSITY 8.51390E+01 SHOULD BE 7.88467E+01
23. Strength function in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 4.20000E+04. STRENGTH FUNCTION IS 1.50000E-04 / STRENGTH FUNCTION 1.50000E-04 / LIES OUTSIDE LIMITS 1.00000E-05 TO 1.50000E-04 (0): URR str. ftn.*
- FILE 2  
SECTION 151  
ENERGY = 4.20000E+04. STRENGTH FUNCTION IS 1.50000E-04  
STRENGTH FUNCTION 1.50000E-04  
LIES OUTSIDE LIMITS 1.00000E-05 TO 1.50000E-04
24. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 4.40000E+04. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 8.48354E+01 SHOULD BE 7.85655E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 4.40000E+04. STRENGTH FUNCTION IS 1.50000E-04  
DENSITY 8.48354E+01 SHOULD BE 7.85655E+01
25. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 4.60000E+04. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 8.45331E+01 SHOULD BE 7.82856E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 4.60000E+04. STRENGTH FUNCTION IS 1.50000E-04  
DENSITY 8.45331E+01 SHOULD BE 7.82856E+01
26. Strength function in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 4.60000E+04. STRENGTH FUNCTION*



*IS 1.50000E-04 / STRENGTH FUNCTION 1.50000E-04 / LIES OUTSIDE LIMITS 1.00000E-05 TO 1.50000E-04 (0): URR str. ftn.*

```
FILE 2
SECTION 151
ENERGY = 4.60000E+04. STRENGTH FUNCTION IS 1.50000E-04
STRENGTH FUNCTION 1.50000E-04
LIES OUTSIDE LIMITS 1.00000E-05 TO 1.50000E-04
... [2 more lines]
```

27. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / TOTAL OF 33 POINTS IN ERROR FOR THIS J-STATE (0): URR dens. (b)*

```
FILE 2
SECTION 151
TOTAL OF 33 POINTS IN ERROR FOR THIS J-STATE
TOTAL OF 33 POINTS IN ERROR FOR THIS J-STATE
```

28. Strength function in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 9.66300E+03. STRENGTH FUNCTION IS 1.00000E-06 / AVERAGE GAMMA WIDTH 1.00000E-03 / LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV. (0): URR str. ftn.*

```
FILE 2
SECTION 151
ENERGY = 9.66300E+03. STRENGTH FUNCTION IS 1.00000E-06
AVERAGE GAMMA WIDTH 1.00000E-03
LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV.
... [33 more lines]
```

29. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 9.66300E+03. STRENGTH FUNCTION IS 1.00000E-06 / ENERGY = 9.66300E+03. STRENGTH FUNCTION IS 1.00000E-06 / DENSITY 6.83484E+01 SHOULD BE 6.01386E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 9.66300E+03. STRENGTH FUNCTION IS 1.00000E-06
ENERGY = 9.66300E+03. STRENGTH FUNCTION IS 1.00000E-06
DENSITY 6.83484E+01 SHOULD BE 6.01386E+01
```

30. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.00000E+04. STRENGTH FUNCTION IS 1.00000E-06 / DENSITY 6.83072E+01 SHOULD BE 6.01023E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 1.00000E+04. STRENGTH FUNCTION IS 1.00000E-06
DENSITY 6.83072E+01 SHOULD BE 6.01023E+01
```

31. Strength function in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.00000E+04. STRENGTH FUNCTION IS 1.00000E-06 / AVERAGE GAMMA WIDTH 1.00000E-03 / LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV. (0): URR str. ftn.*

- FILE 2  
SECTION 151  
ENERGY = 1.00000E+04. STRENGTH FUNCTION IS 1.00000E-06  
AVERAGE GAMMA WIDTH 1.00000E-03  
LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV.
32. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.20000E+04. STRENGTH FUNCTION IS 1.00000E-06 / DENSITY 6.80629E+01 SHOULD BE 5.98874E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 1.20000E+04. STRENGTH FUNCTION IS 1.00000E-06  
DENSITY 6.80629E+01 SHOULD BE 5.98874E+01
33. Strength function in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.20000E+04. STRENGTH FUNCTION IS 1.00000E-06 / AVERAGE GAMMA WIDTH 1.00000E-03 / LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV. (0): URR str. ftn.*
- FILE 2  
SECTION 151  
ENERGY = 1.20000E+04. STRENGTH FUNCTION IS 1.00000E-06  
AVERAGE GAMMA WIDTH 1.00000E-03  
LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV.
34. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.40000E+04. STRENGTH FUNCTION IS 1.00000E-06 / DENSITY 6.78196E+01 SHOULD BE 5.96733E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 1.40000E+04. STRENGTH FUNCTION IS 1.00000E-06  
DENSITY 6.78196E+01 SHOULD BE 5.96733E+01
35. Strength function in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.40000E+04. STRENGTH FUNCTION IS 1.00000E-06 / AVERAGE GAMMA WIDTH 1.00000E-03 / LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV. (0): URR str. ftn.*
- FILE 2  
SECTION 151  
ENERGY = 1.40000E+04. STRENGTH FUNCTION IS 1.00000E-06  
AVERAGE GAMMA WIDTH 1.00000E-03  
LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV.
36. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.60000E+04. STRENGTH FUNCTION IS 1.00000E-06 / DENSITY 6.75773E+01 SHOULD BE 5.94601E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 1.60000E+04. STRENGTH FUNCTION IS 1.00000E-06  
DENSITY 6.75773E+01 SHOULD BE 5.94601E+01

37. Strength function in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.60000E+04. STRENGTH FUNCTION IS 1.00000E-06 / AVERAGE GAMMA WIDTH 1.00000E-03 / LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV. (0): URR str. ftn.*
- FILE 2  
SECTION 151  
ENERGY = 1.60000E+04. STRENGTH FUNCTION IS 1.00000E-06  
AVERAGE GAMMA WIDTH 1.00000E-03  
LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV.
38. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.80000E+04. STRENGTH FUNCTION IS 1.00000E-06 / DENSITY 6.73357E+01 SHOULD BE 5.92476E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 1.80000E+04. STRENGTH FUNCTION IS 1.00000E-06  
DENSITY 6.73357E+01 SHOULD BE 5.92476E+01
39. Strength function in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.80000E+04. STRENGTH FUNCTION IS 1.00000E-06 / AVERAGE GAMMA WIDTH 1.00000E-03 / LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV. (0): URR str. ftn.*
- FILE 2  
SECTION 151  
ENERGY = 1.80000E+04. STRENGTH FUNCTION IS 1.00000E-06  
AVERAGE GAMMA WIDTH 1.00000E-03  
LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV.
40. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.00000E+04. STRENGTH FUNCTION IS 1.00000E-06 / DENSITY 6.70952E+01 SHOULD BE 5.90360E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 2.00000E+04. STRENGTH FUNCTION IS 1.00000E-06  
DENSITY 6.70952E+01 SHOULD BE 5.90360E+01
41. Strength function in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.00000E+04. STRENGTH FUNCTION IS 1.00000E-06 / AVERAGE GAMMA WIDTH 1.00000E-03 / LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV. (0): URR str. ftn.*
- FILE 2  
SECTION 151  
ENERGY = 2.00000E+04. STRENGTH FUNCTION IS 1.00000E-06  
AVERAGE GAMMA WIDTH 1.00000E-03  
LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV.
42. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.20000E+04. STRENGTH FUNCTION IS 1.00000E-06 / DENSITY 6.68556E+01 SHOULD BE 5.88251E+01 (0): URR dens. (a)*

FILE 2  
SECTION 151  
ENERGY = 2.20000E+04. STRENGTH FUNCTION IS 1.00000E-06  
DENSITY 6.68556E+01 SHOULD BE 5.88251E+01

43. Strength function in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.20000E+04. STRENGTH FUNCTION IS 1.00000E-06 / AVERAGE GAMMA WIDTH 1.00000E-03 / LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV. (0): URR str. ftn.*

FILE 2  
SECTION 151  
ENERGY = 2.20000E+04. STRENGTH FUNCTION IS 1.00000E-06  
AVERAGE GAMMA WIDTH 1.00000E-03  
LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV.

44. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.40000E+04. STRENGTH FUNCTION IS 1.00000E-06 / DENSITY 6.66168E+01 SHOULD BE 5.86150E+01 (0): URR dens. (a)*

FILE 2  
SECTION 151  
ENERGY = 2.40000E+04. STRENGTH FUNCTION IS 1.00000E-06  
DENSITY 6.66168E+01 SHOULD BE 5.86150E+01

45. Strength function in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.40000E+04. STRENGTH FUNCTION IS 1.00000E-06 / AVERAGE GAMMA WIDTH 1.00000E-03 / LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV. (0): URR str. ftn.*

FILE 2  
SECTION 151  
ENERGY = 2.40000E+04. STRENGTH FUNCTION IS 1.00000E-06  
AVERAGE GAMMA WIDTH 1.00000E-03  
LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV.

46. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.60000E+04. STRENGTH FUNCTION IS 1.00000E-06 / DENSITY 6.63790E+01 SHOULD BE 5.84057E+01 (0): URR dens. (a)*

FILE 2  
SECTION 151  
ENERGY = 2.60000E+04. STRENGTH FUNCTION IS 1.00000E-06  
DENSITY 6.63790E+01 SHOULD BE 5.84057E+01

47. Strength function in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.60000E+04. STRENGTH FUNCTION IS 1.00000E-06 / AVERAGE GAMMA WIDTH 1.00000E-03 / LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV. (0): URR str. ftn.*

FILE 2  
SECTION 151  
ENERGY = 2.60000E+04. STRENGTH FUNCTION IS 1.00000E-06  
AVERAGE GAMMA WIDTH 1.00000E-03  
LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV.

48. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.80000E+04. STRENGTH FUNCTION IS 1.00000E-06 / DENSITY 6.61420E+01 SHOULD BE 5.81972E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 2.80000E+04. STRENGTH FUNCTION IS 1.00000E-06
DENSITY 6.61420E+01 SHOULD BE 5.81972E+01
```

49. Strength function in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.80000E+04. STRENGTH FUNCTION IS 1.00000E-06 / AVERAGE GAMMA WIDTH 1.00000E-03 / LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV. (0): URR str. ftn.*

```
FILE 2
SECTION 151
ENERGY = 2.80000E+04. STRENGTH FUNCTION IS 1.00000E-06
AVERAGE GAMMA WIDTH 1.00000E-03
LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV.
```

50. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.00000E+04. STRENGTH FUNCTION IS 1.00000E-06 / DENSITY 6.59058E+01 SHOULD BE 5.79894E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 3.00000E+04. STRENGTH FUNCTION IS 1.00000E-06
DENSITY 6.59058E+01 SHOULD BE 5.79894E+01
```

51. Strength function in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.00000E+04. STRENGTH FUNCTION IS 1.00000E-06 / AVERAGE GAMMA WIDTH 1.00000E-03 / LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV. (0): URR str. ftn.*

```
FILE 2
SECTION 151
ENERGY = 3.00000E+04. STRENGTH FUNCTION IS 1.00000E-06
AVERAGE GAMMA WIDTH 1.00000E-03
LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV.
```

52. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.20000E+04. STRENGTH FUNCTION IS 1.00000E-06 / DENSITY 6.56707E+01 SHOULD BE 5.77826E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 3.20000E+04. STRENGTH FUNCTION IS 1.00000E-06
DENSITY 6.56707E+01 SHOULD BE 5.77826E+01
```

53. Strength function in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.20000E+04. STRENGTH FUNCTION IS 1.00000E-06 / AVERAGE GAMMA WIDTH 1.00000E-03 / LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV. (0): URR str. ftn.*

- FILE 2  
SECTION 151  
ENERGY = 3.20000E+04. STRENGTH FUNCTION IS 1.00000E-06  
AVERAGE GAMMA WIDTH 1.00000E-03  
LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV.
54. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.40000E+04. STRENGTH FUNCTION IS 1.00000E-06 / DENSITY 6.54363E+01 SHOULD BE 5.75763E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 3.40000E+04. STRENGTH FUNCTION IS 1.00000E-06  
DENSITY 6.54363E+01 SHOULD BE 5.75763E+01
55. Strength function in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.40000E+04. STRENGTH FUNCTION IS 1.00000E-06 / AVERAGE GAMMA WIDTH 1.00000E-03 / LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV. (0): URR str. ftn.*
- FILE 2  
SECTION 151  
ENERGY = 3.40000E+04. STRENGTH FUNCTION IS 1.00000E-06  
AVERAGE GAMMA WIDTH 1.00000E-03  
LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV.
56. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.60000E+04. STRENGTH FUNCTION IS 1.00000E-06 / DENSITY 6.52029E+01 SHOULD BE 5.73709E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 3.60000E+04. STRENGTH FUNCTION IS 1.00000E-06  
DENSITY 6.52029E+01 SHOULD BE 5.73709E+01
57. Strength function in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.60000E+04. STRENGTH FUNCTION IS 1.00000E-06 / AVERAGE GAMMA WIDTH 1.00000E-03 / LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV. (0): URR str. ftn.*
- FILE 2  
SECTION 151  
ENERGY = 3.60000E+04. STRENGTH FUNCTION IS 1.00000E-06  
AVERAGE GAMMA WIDTH 1.00000E-03  
LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV.
58. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.80000E+04. STRENGTH FUNCTION IS 1.00000E-06 / DENSITY 6.49703E+01 SHOULD BE 5.71662E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 3.80000E+04. STRENGTH FUNCTION IS 1.00000E-06  
DENSITY 6.49703E+01 SHOULD BE 5.71662E+01

59. Strength function in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.80000E+04. STRENGTH FUNCTION IS 1.00000E-06 / AVERAGE GAMMA WIDTH 1.00000E-03 / LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV. (0): URR str. ftn.*

```
FILE 2
SECTION 151
ENERGY = 3.80000E+04. STRENGTH FUNCTION IS 1.00000E-06
AVERAGE GAMMA WIDTH 1.00000E-03
LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV.
```

60. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 1.00000E-06 / DENSITY 6.47387E+01 SHOULD BE 5.69625E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 1.00000E-06
DENSITY 6.47387E+01 SHOULD BE 5.69625E+01
```

61. Strength function in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 1.00000E-06 / AVERAGE GAMMA WIDTH 1.00000E-03 / LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV. (0): URR str. ftn.*

```
FILE 2
SECTION 151
ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 1.00000E-06
AVERAGE GAMMA WIDTH 1.00000E-03
LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV.
```

62. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 4.20000E+04. STRENGTH FUNCTION IS 1.00000E-06 / DENSITY 6.45078E+01 SHOULD BE 5.67593E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 4.20000E+04. STRENGTH FUNCTION IS 1.00000E-06
DENSITY 6.45078E+01 SHOULD BE 5.67593E+01
```

63. Strength function in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 4.20000E+04. STRENGTH FUNCTION IS 1.00000E-06 / AVERAGE GAMMA WIDTH 1.00000E-03 / LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV. (0): URR str. ftn.*

```
FILE 2
SECTION 151
ENERGY = 4.20000E+04. STRENGTH FUNCTION IS 1.00000E-06
AVERAGE GAMMA WIDTH 1.00000E-03
LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV.
```

64. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 4.40000E+04. STRENGTH FUNCTION IS 1.00000E-06 / DENSITY 6.42778E+01 SHOULD BE 5.65569E+01 (0): URR dens. (a)*

```

FILE 2
SECTION 151
ENERGY = 4.40000E+04. STRENGTH FUNCTION IS 1.00000E-06
DENSITY 6.42778E+01 SHOULD BE 5.65569E+01

65. Strength function in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 4.40000E+04. STRENGTH FUNCTION IS
1.00000E-06 / AVERAGE GAMMA WIDTH 1.00000E-03 / LIES OUTSIDE LIMITS
4.00000E-02 TO 9.00000E+00 EV. (0): URR str. ftn.

FILE 2
SECTION 151
ENERGY = 4.40000E+04. STRENGTH FUNCTION IS 1.00000E-06
AVERAGE GAMMA WIDTH 1.00000E-03
LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV.

66. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 4.60000E+04. STRENGTH FUNCTION IS
1.00000E-06 / DENSITY 6.40487E+01 SHOULD BE 5.63554E+01 (0): URR dens. (a)

FILE 2
SECTION 151
ENERGY = 4.60000E+04. STRENGTH FUNCTION IS 1.00000E-06
DENSITY 6.40487E+01 SHOULD BE 5.63554E+01

67. Strength function in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 4.60000E+04. STRENGTH FUNCTION IS
1.00000E-06 / AVERAGE GAMMA WIDTH 1.00000E-03 / LIES OUTSIDE LIMITS
4.00000E-02 TO 9.00000E+00 EV. (0): URR str. ftn.

FILE 2
SECTION 151
ENERGY = 4.60000E+04. STRENGTH FUNCTION IS 1.00000E-06
AVERAGE GAMMA WIDTH 1.00000E-03
LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV.

... [13 more lines]

68. Non-threshold reaction with Q value differing from PSYCHE's expectations
FILE 3 / SECTION 107 / THE CALCULATED Q 4.43167E+06 DISSAGREES WITH
THE GIVEN Q 0.00000E+00 (0): Iffy Q

FILE 3
SECTION 107
THE CALCULATED Q 4.43167E+06 DISSAGREES WITH THE GIVEN Q 0.00000E+00

```

- groupie Errors:

1. Very small elastic cross section found  
0: *Small elastic*

Multi-Group and Multi-Band Parameters from ENDF/B Data (GROUPIE 2015-2)

-----  
 ENDF/B Input and Output Data Filenames

ENDFB.IN

ENDFB.OUT

... [97 more lines]



- fudge-4.0 Warnings:

1. Cross section does not match sum of linked reaction cross sections  
*crossSectionSum label 0: total (Error # 0): CS Sum.*

WARNING: Cross section does not match sum of linked reaction cross sections! Max diff: 1.04%

2. Cross section does not match sum of linked reaction cross sections  
*crossSectionSum label 3: (z,alpha) (Error # 0): CS Sum.*

WARNING: Cross section does not match sum of linked reaction cross sections! Max diff: 3.94%

3. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.  
*Section 0 (total): / Form 'eval': (Error # 0): Condition num.*

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

4. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.  
*Section 1 (n + Gd160): / Form 'eval': / Component 0 (Error # 0): Condition num.*

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

5. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.  
*Section 1 (n + Gd160): / Form 'eval': / Component 1 (Error # 0): Condition num.*

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

6. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.  
*Section 2 ((z,n)): / Form 'eval': (Error # 0): Condition num.*

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

7. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.  
*Section 3 (n[multiplicity:'2'] + Gd159 + gamma): / Form 'eval': (Error # 0): Condition num.*

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

8. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.  
*Section 4 (Gd161 + gamma): / Form 'eval': (Error # 0): Condition num.*

WARNING: Ratio of smallest/largest eigenvalue (8.680959e-12) is too small

9. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.  
*Section 5 ((z,p)): / Form 'eval': (Error # 0): Condition num.*

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

10. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.  
*Section 6 ((z,alpha)): / Form 'eval': (Error # 0): Condition num.*

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

• fudge-4.0 Errors:

1. If an outgoing energy distribution ends with more than one energy with probability=0, proper unitbase treatment is unclear. Distribution should end with exactly one P=0 point.  
*reaction label 28: n + (Gd160\_c ->Gd160 + gamma) / Product: n / Distribution: / energyAngular - XYs3d: (Error # 0): extraOutgoingEnergy*

WARNING: Extra zero-probability outgoing energies found at incident energy 6.e6 eV  
 WARNING: Extra zero-probability outgoing energies found at incident energy 7.e6 eV  
 WARNING: Extra zero-probability outgoing energies found at incident energy 7.8e6 eV  
 WARNING: Extra zero-probability outgoing energies found at incident energy 1.e7 eV  
 ... plus 11 more instances of this message

2. Calculated and tabulated Q values disagree.  
*reaction label 29: n[multiplicity:'2'] + Gd159 + gamma (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -7516522.915313721 eV vs -7.451e6 eV!

3. Calculated and tabulated Q values disagree.  
*reaction label 30: n[multiplicity:'3'] + Gd158 + gamma (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -13153915.10183716 eV vs -1.3394e7 eV!

4. Calculated and tabulated Q values disagree.  
*reaction label 31: n + H1 + Eu159 + gamma (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -9552422.710632324 eV vs -9.184e6 eV!

5. If an outgoing energy distribution ends with more than one energy with probability=0, proper unitbase treatment is unclear. Distribution should end with exactly one P=0 point.  
*reaction label 31: n + H1 + Eu159 + gamma / Product: n / Distribution: / energyAngular - XYs3d: (Error # 0): extraOutgoingEnergy*

WARNING: Extra zero-probability outgoing energies found at incident energy 1.15e7 eV  
 WARNING: Extra zero-probability outgoing energies found at incident energy 1.2e7 eV  
 WARNING: Extra zero-probability outgoing energies found at incident energy 1.25e7 eV  
 WARNING: Extra zero-probability outgoing energies found at incident energy 1.3e7 eV  
 ... plus 13 more instances of this message

6. Calculated and tabulated Q values disagree.  
*reaction label 32: H1 + Eu160 (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -3915030.524108887 eV vs -3.326e6 eV!

7. Calculated and tabulated Q values disagree.  
*reaction label 33: H1 + (Eu160\_c ->Eu160 + gamma) (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -3915030.524108887 eV vs -3.326e6 eV!

8. Calculated and tabulated Q values disagree.  
*reaction label 34: He4 + Sm157 (Error # 0): Q mismatch*  
  
WARNING: Calculated and tabulated Q-values disagree: 4493325.712371826 eV vs 4.431e6 eV!
9. Calculated and tabulated Q values disagree.  
*reaction label 35: He4 + (Sm157\_c -> Sm157 + gamma) (Error # 0): Q mismatch*  
  
WARNING: Calculated and tabulated Q-values disagree: 4493325.712371826 eV vs 4.431e6 eV!
10. Calculated and tabulated Q values disagree.  
*reaction label 36: Gd161 + gamma (Error # 0): Q mismatch*  
  
WARNING: Calculated and tabulated Q-values disagree: 5443735.104888916 eV vs 5.635e6 eV!
11. Calculated and tabulated Q values disagree.  
*reaction label 37: n + He4 + Sm156 + gamma (Error # 0): Q mismatch*  
  
WARNING: Calculated and tabulated Q-values disagree: -1144066.474151611 eV vs -1.005e6 eV!
12. If an outgoing energy distribution ends with more than one energy with probability=0, proper unitbase treatment is unclear. Distribution should end with exactly one P=0 point.  
*reaction label 37: n + He4 + Sm156 + gamma / Product: n / Distribution: / energyAngular - XYs3d: (Error # 0): extraOutgoingEnergy*  
  
WARNING: Extra zero-probability outgoing energies found at incident energy 8.e6 eV  
WARNING: Extra zero-probability outgoing energies found at incident energy 8.5e6 eV  
WARNING: Extra zero-probability outgoing energies found at incident energy 9.e6 eV  
WARNING: Extra zero-probability outgoing energies found at incident energy 9.5e6 eV  
... plus 20 more instances of this message
13. Calculated and tabulated Q values disagree.  
*reaction label 38: n[multiplicity:'2'] + He4 + Sm155 + gamma (Error # 0): Q mismatch*  
  
WARNING: Calculated and tabulated Q-values disagree: -8660589.389434814 eV vs -8.247e6 eV!
14. If an outgoing energy distribution ends with more than one energy with probability=0, proper unitbase treatment is unclear. Distribution should end with exactly one P=0 point.  
*reaction label 38: n[multiplicity:'2'] + He4 + Sm155 + gamma / Product: n / Distribution: / energyAngular - XYs3d: (Error # 0): extraOutgoingEnergy*  
  
WARNING: Extra zero-probability outgoing energies found at incident energy 1.54e7 eV  
WARNING: Extra zero-probability outgoing energies found at incident energy 1.6e7 eV  
WARNING: Extra zero-probability outgoing energies found at incident energy 1.65e7 eV  
WARNING: Extra zero-probability outgoing energies found at incident energy 1.7e7 eV  
... plus 6 more instances of this message
15. Calculated and tabulated Q values disagree.  
*reaction label 39: n[multiplicity:'2'] + H1 + Eu158 + gamma (Error # 0): Q mismatch*  
  
WARNING: Calculated and tabulated Q-values disagree: -16129380.26156616 eV vs -1.6097e7 eV!

16. If an outgoing energy distribution ends with more than one energy with probability=0, proper unitbase treatment is unclear. Distribution should end with exactly one P=0 point.

*reaction label 39: n[multiplicity:'2'] + H1 + Eu158 + gamma / Product: n / Distribution: / energyAngular - XYs3d: (Error # 0): extraOutgoingEnergy*

WARNING: Extra zero-probability outgoing energies found at incident energy 1.89e7 eV  
 WARNING: Extra zero-probability outgoing energies found at incident energy 1.9e7 eV  
 WARNING: Extra zero-probability outgoing energies found at incident energy 1.91e7 eV  
 WARNING: Extra zero-probability outgoing energies found at incident energy 1.92e7 eV  
 ... plus 1 more instances of this message

17. Cross section domain does not match domain of linked reaction cross section sum  
*crossSectionSum label 1: (z,n) (Error # 0): summedCrossSectionDomainMismatch*

WARNING: Cross section domain does not match domain of linked reaction cross section sum

18. Cross section domain does not match domain of linked reaction cross section sum  
*crossSectionSum label 2: (z,p) (Error # 0): summedCrossSectionDomainMismatch*

WARNING: Cross section domain does not match domain of linked reaction cross section sum

- njoy2012 Warnings:

1. Message comes from several resonance types that do not support the calculation of angular distributions. Some of them can be used if Want\_SAMRL\_RM or Want\_SAMRML\_BW are true.

*reconr...reconstruct pointwise cross sections in pendf format (0): RECONR/calculation of angular distribution not installed (0)*

---message from rdf2bw---calculation of angular distribution not installed.  
 samm max legendre order: 0

2. Recoil is not given, so one-particle recoil approximation used.  
*heatr...prompt kerma (0): HEATR/hinit (4)*

---message from hinit---mf6, mt102 does not give recoil za= 64161  
 photon momentum recoil used.

3. Only partial urr covariance data was given.  
*errorrr...produce cross section covariances (0): ERRORR/resprx (5)*

---message from resprx---mf2 nls=2, but mf32 nls=0  
 continue with partial urr covariance data

4. No scattering radius uncertainty given.  
*errorrr...produce cross section covariances (1): ERRORR/rpxlc12 (0)*

---message from rpxlc12---no scattering radius uncertainty

5. Generic warning message  
*errorrr...produce cross section covariances (2): Warning*

---message from rpxlc12---resonance parameter loop done 202.4s

6. Generic warning message  
*errorr...produce cross section covariances (3): Warning*  
  

---message from rpxlc12---sensitivity calculation continues

207.1s
7. Generic warning message  
*errorr...produce cross section covariances (4): Warning*  
  

---message from rpxlc12---sensitivity calculation completed

214.2s
8. Coefficient mismatch of some sort  
*covr...process covariance data (1): COVR/matshd (2)*  
  

---message from matshd---processing of mat/mt 6449/103 vs. mat1/mt1 6449/103  
largest coefficient= 1.41815E+02 at index 500 520
9. The number of coefficients was too large in a covariance  
*covr...process covariance data (2): Cov:Too many coeff.*  
  

---message from matshd--- 242 coefficients > 1  
reset and continue.
10. The number of coefficients was too large in a covariance  
*covr...process covariance data (3): Cov:Too many coeff.*  
  

---message from matshd---1374 coefficients > 2  
reset and continue
11. Coefficient mismatch of some sort  
*covr...process covariance data (4): COVR/matshd (2)*  
  

---message from matshd---processing of mat/mt 6449/107 vs. mat1/mt1 6449/107  
largest coefficient= 2.14996E+01 at index 461 490
12. The number of coefficients was too large in a covariance  
*covr...process covariance data (5): Cov:Too many coeff.*  
  

---message from matshd--- 854 coefficients > 1  
reset and continue.
13. The number of coefficients was too large in a covariance  
*covr...process covariance data (6): Cov:Too many coeff.*  
  

---message from matshd---1198 coefficients > 2  
reset and continue